

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

A. HASHIMOTO et al

Serial No.

Filed: March 1, 2002

For: A SECOND STORAGE SYSTEM EQUIPPED WITH  
SECURITY SYSTEM AND A METHOD OF CONTROLLING  
THE SECOND STORAGE SYSTEM

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows.

**IN THE CLAIMS**

Renumber claims 10-17 as claims 9-16 as follows:

(Amended) 9. An access controlling method according to claim 8, wherein when a judgement frequency of the access non-authorization to specific data stored in the nonvolatile data storing means exceeds a predetermined threshold, access from the plurality of transportation ports to the data is not authorized.

(Amended) 10. An access controlling method according to claim 8, wherein when a judgment frequency of the access non-authorization to specific data stored in the nonvolatile data storing means exceeds a predetermined threshold, an

administrator of the second storage is notified that the judgment frequency of the access non-authorization exceeds a predetermined threshold.

(Amended) 11. An access controlling method according to claim 8, wherein when a system of the I/O commands is the SCSI (Small Computer System Interface) standards, a "CHECK CONDITION" status is transmitted as a report of abnormalities.

(Amended) 12. An access controlling method according to claim 11, wherein when a "REQUEST SENSE" request is issued after a host computer received the "CHECK CONDITION" status, a code denoting abnormalities is transmitted as a sense key and sense data in response thereto.

(Amended) 13. An access controlling method according to claim 12, wherein an "Illegal Request" is transmitted as the sense key.

(Amended) 14. An access controlling method according to claim 12, wherein "Data Protected" is transmitted as the sense key.

(Amended) 15. An access controlling method according to claim 8, wherein when a system of the I/O commands is NFS

(Network File System), a NFS error code "NFSERR\_PERM" is transmitted as a report of the access non-authorization.

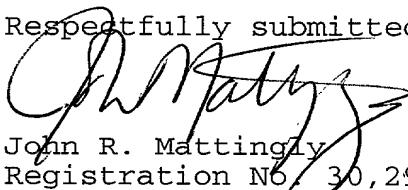
(Amended) 16. An access controlling method according to claim 8, wherein when a system of the I/O commands is NFS (Network File System), a NFS error code "NFSERR\_ACCTS" is transmitted as a report of the access non-authorization.

**REMARKS**

Applicants have renumbered the claims, because claim 9 was inadvertently missing.

Examination is requested.

Respectfully submitted,

  
John R. Mattingly  
Registration No. 30,293  
Attorney for Applicant

MATTINGLY, STANGER & MALUR  
1800 Diagonal Road, Suite 370  
Alexandria, Virginia 22314  
(703) 684-1120  
Date: March 1, 2002

**MARKED UP VERSION OF REWRITTEN CLAIMS**

Amend claims 10-17 by renumbering them as claims 9-16 as follows:

(Amended) [10]9. An access controlling method according to claim 8, wherein when a judgement frequency of the access non-authorization to specific data stored in the nonvolatile data storing means exceeds a predetermined threshold, access from the plurality of transportation ports to the data is not authorized.

(Amended) [11]10. An access controlling method according to claim 8, wherein when a judgment frequency of the access non-authorization to specific data stored in the nonvolatile data storing means exceeds a predetermined threshold, an administrator of the second storage is notified that the judgment frequency of the access non-authorization exceeds a predetermined threshold.

(Amended) [12]11. An access controlling method according to claim 8, wherein when a system of the I/O commands is the SCSI (Small Computer System Interface) standards, a "CHECK CONDITION" status is transmitted as a report of abnormalities.

(Amended) [13]12. An access controlling method according to claim [12] 11, wherein when a "REQUEST SENSE" request is issued after a host computer received the "CHECK CONDITION" status, a code denoting abnormalities is transmitted as a sense key and sense data in response thereto.

(Amended) [14]13. An access controlling method according to claim [13] 12, wherein an "Illegal Request" is transmitted as the sense key.

(Amended) [15]14. An access controlling method according to claim [13] 12, wherein "Data Protected" is transmitted as the sense key.

(Amended) [16]15. An access controlling method according to claim 8, wherein when a system of the I/O commands is NFS (Network File System), a NFS error code "NFSERR\_PERM" is transmitted as a report of the access non-authorization.

(Amended) [17]16. An access controlling method according to claim 8, wherein when a system of the I/O commands is NFS (Network File System), a NFS error code "NFSERR\_ACCS" is transmitted as a report of the access non-authorization.